

**REMARKS**

Applicants have carefully reviewed this Application in light of the Election/Restriction Requirement mailed February 20, 2007. Claims 1-33 are pending in this Application. Claims 1-33 are subject to the species restriction requirement and Claims 34-37 have been added. Applicants submit that the added claims are supported by the specification and add no new matter.

Applicant appreciates the Examiner's comments in a telephone interview on April 18, 2007 to clarify the claims associated with the five identified species. The species, as revised by the Examiner during the telephone interview, are listed below.

- I. Species of Fig 1 drawn to an intensity based registration method as disclosed in Para 0101 of the description. Claims 1-4, 28 and 30-33 are included in this species.
- II. Species of Fig 2 drawn to magnitude based registration method as disclosed in Para 0103 of the description. Claims 5-8 and 25-27 are included in this species.
- III. Species of Fig 3 drawn to registration method for holographic phase images as disclosed in Para 0105 of the description. Claims 9-12 and 29 are included in this species.
- IV. Species of Fig 4 drawn to a registration method for holographic complex images as disclosed in Para 0107 of the description. Claims 13-20 are included in this species.
- V. Species of Fig 5 and 6 are drawn to a simplified method of registration of holographic images that eliminates the calculation of confidence value as disclosed in Para 0010 and 0110 of the description. Claims 21-24 are included in this species.

Applicants hereby elect Species IV of Figure 4 drawn to a registration method for holographic complex images for current examination. Applicants believe that new Claims 34-37 are drawn to the elected species. Applicants have withdrawn Claims 1-12 and 21-33 as not directed to the elected species. Applicants reserve the right to request consideration of claims drawn to the non-elected species should a generic claim be allowable.

**CONCLUSION**

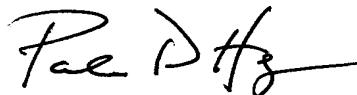
Applicants have now made an earnest effort to place this case in condition for examination and allowance. Applicants respectfully request reconsideration of the application and allowance of the pending claims.

Applicants authorize the Commissioner to charge \$60.00 for the one-month Request for Extension of Time to Deposit Account No. 50-2148 of Baker Botts L.L.P. Applicants believe no further fee is due at this time, however, the Commissioner is hereby authorized to charge any additional fees to Deposit Account No. 50-2148 of Baker Botts L.L.P.

If there are any matters concerning this Application that may be cleared up in a telephone conversation, please contact Applicants' attorney at 512.322.2581.

Respectfully submitted,

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Date: April 19, 2007

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